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## <u>CLAIMS</u>

What is claimed is:

A combination breathing monitor alarm and audio baby alarm comprising:
an attachable transmitter forming a main body of a linearly elongated,
pliable chest strap of a soft and formable material that is easily wrapable about
the chest of an infant; and

a receiver housing receiver control circuitry for receiving signals transmitted by said transmitter.

- 2. The combination of Claim 1, wherein said transmitter further comprises a hook and loop fastener means to allow for the chest strap to be connected in a manner circumscribing the wearers chest.
- 3. The combination of Claim 1, wherein said chest strap 16 has a flat, smooth inner surface supporting a first resonant sensor spaced laterally apart from a second resonant sensor and a microphone housed with said chest strap which communicates with transmitter control circuitry housed therein.
- 4. The combination of Claim 1, wherein said receiver is in wireless radio communication with said transmitter.

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- 5. The combination of Claim 1, wherein said receiver comprises a lighting means.
- 6. The combination of Claim 3, wherein said transmitter control circuitry has a transmitter control central processing unit including a conventional radio frequency transmitter communicating with an antenna and controlled by an analog to digital microphone amplification circuit in communication with a microphone.
- 7. The combination of Claim 1, wherein said receiver control circuitry comprises a receiver control central processing unit including a conventional radio frequency receiver communicating with an antenna and controlled by a digital to analog speaker amplification circuit in communication with a speaker.
- 8. The combination of Claim 6, wherein said transmitter further incorporates a respiration monitor for monitoring the respiration of the user as well as interacting with the transmitter control circuitry for transmitting a respiration alarm signal.
- 9. The combination of Claim 8, wherein said respiration monitor comprises a

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first resonant sensor for detecting respiration and movement of the infant a second resonant sensor for detecting heart rate and pulse.

- 10. The combination of Claim 9, wherein said respiration monitor further comprises a signal processor that compares the respiration related signal pattern to a stored pattern, and monitors the heart rate or pulse as compared with an initial baseline measurement.
- 11. The combination of Claim 10, wherein said respiration monitor comprises a comparitor circuit that determines if either of the measured characteristic fall below an alarm point, and generate an alarm output impulse that communicates with the radio frequency transmitter, forming an synthesized signal that communicating with an antenna and results in an alarm or annunciation signal of a predetermined frequency for audible transmission through said speaker of said receiver.

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